

# MBNMS Permit Report

## April 2, 2009



MBNMS-2009-014

Effective Date: TBD    Expiration Date: TBD

Project Title: State Parks MPWC Search & Rescue Operations, Monterey District

Applicant Name: Mr. Eric Abma

Affiliation: California Department of Parks & Recreation, (CDPR)

**Project Summary:**

Develop and maintain public agency MPWC SAR operating skills critical for hazardous incident response at sea under adverse conditions.

Public safety agencies bordering the MBNMS have a primary mission to protect and save human life in coastal waters within sanctuary boundaries. SAR professionals have found MPWC to be uniquely suited for rescuing people in distress from high surf and nearshore areas due to the vessels' high-speed, shallow draft, instant thrust capabilities, and excellent maneuverability and survivability in high-energy ocean environments.

In order to maximize use and safe operation of these craft under such conditions, a robust training and proficiency curriculum must be maintained in the area where the craft will be deployed for emergency response. Operators must be familiar with the areas and sea conditions they will be called upon to enter under duress to complete search and rescue missions.

Public agency SAR activities directly assist the sanctuary program

**Location Description - Proposed:**

Area of Responsibility (AOR): Shoreline and coastal waters from the Pajaro River to Garrapata Creek. Training will occur within the Asilomar State Marine Reserve and adjacent to the California Coastal National Monument, Salinas River National Wildlife Refuge, Salinas River State Beach, Fort Ord Dunes State Park, Monterey South Dunes Beach, Monterey State Beach, and Asilomar State Beach. Training will also occur within the MBNMS coastal Overflight Restriction Zone at Moss Landing.

**Latest Event:**

04/02/2009 Additional information received

MBNMS-2009-013

Effective Date:04/16/2009 Expiration Date:04/20/2009

Project Title:National Geographic Television Films Big Sur

Applicant Name:Mr. Peter Takacs

Affiliation:National Geographic Television

**Project Summary:**

National Geographic Television's Natural History Unit is currently in production on a one hour special about Big Sur. As part of their plans for filming the segments on the Monterey Bay National Marine Sanctuary, they would like to film aerial video footage of the Monterey Bay National Marine Sanctuary.

The area of the marine sanctuary where this activity will take place is the coastline that spans the boundaries of the MBNMS, from Seaside to Point Piedras Blancas.

**Location Description - Proposed:**

overflights planned from Seaside to Piedras Blancas

**Latest Event:**

04/02/2009 Additional information received

MBNMS-2009-012

Effective Date:03/30/2009 Expiration Date:03/30/2011

Project Title:Collect marine organisms for public education, classes, and research at UC Berkeley

Applicant Name:Dr. Timothy Herrlinger

Affiliation:University of California, Berkeley

**Project Summary:**

Applicant will collect kelp forest organisms (seaweeds, invertebrates, fishes) within 0-130 feet depth. Occasionally infaunal organisms will be collected by digging them out of the soft substratum. Organisms found under rocks will be removed and the rocks will be turned back over to the same orientation prior to collection. Small numbers of rocks with sessile organisms will be removed from the field and returned after the study. A small depression may occur when

infaunal organisms are removed from the benthos. This dip will be filled in by normal wave action and natural sediment movement within hours to a few days.

Location Description - Proposed:

Monterey Bay peninsula kelp forests (0-130 feet depth), including marine reserves.

Latest Event:

03/26/2009 Permit issued

MBNMS-2009-011

Effective Date:04/15/2009 Expiration Date:04/14/2010

Project Title:UAV Demonstration Flights and Low Altitude Imaging Using the Micro Air Vehicle (MAV)

Applicant Name:Dr. Stanley Herwitz

Affiliation:UAV Collaborative in Cooperation with NASA Ames Re

Project Summary:

Aerial images will be collected using the Micro Air Vehicle (MAV), an unmanned aerial vehicle (UAV). The MAV will be launched at the Las Trancas Airstrip (~3.75 miles southeast of Ano Nuevo Island), and operated in the near vicinity of the coastal airstrip (~0.25 mile radius).

Location Description - Proposed:

Within ~0.25 mile radius of Las Trancas Airstrip (~3.75 miles southeast of Ano Nuevo Island)

Latest Event:

03/25/2009 Additional information requested

MBNMS-2009-010

Effective Date:Expiration Date:

Project Title:Development of a small-scale kelp farm to support existing sustainable abalone aquaculture within the Monterey Bay National Marine Sanctuary

Applicant Name:Mr. Thew Suskiewicz

Affiliation:Moss Landing Marine Laboratories

Project Summary:

Applicant proposes to create a seaweed farm (0.6 hectare; ~football field) at Del Monte Beach. The proposed structure will occupy 6,000 square meters (100 x 60 meters) of surface water, and removable concrete anchors will disturb ~40 square meters of seafloor (sandy seafloor with intermittent sandstone outcroppings).

Location Description - Proposed:

Del Monte Beach, approximately 300 meters from Wharf #2.

Latest Event:

03/31/2009 Permit not required

MBNMS-2009-009

Effective Date: 04/01/2009 Expiration Date:03/31/2012

Project Title:Monitoring hypoxic intrusions in Monterey Bay

Applicant Name:Dr. William Gilly

Affiliation:Stanford University

Project Summary:

The applicant proposes to place and remove approximately 2 thermistor arrays, 2 ADCPs, 2 CTD-profilers in the areas of Monterey Bay Aquarium seawater intake and Moss Landing Marine Labs Seawater System Monitoring Station, within the MBNMS.

Location Description - Proposed:

Monterey Bay Aquarium at a depth of 18 m and the MLML Seawater System Monitoring Station

Latest Event:

03/31/2009 Permit issued

MBNMS-2009-008

Effective Date:04/01/2009Expiration Date:04/01/2014

Project Title:Santa Cruz Fire Department Marine Safety Division (SCFDMSD) Temporary Buoy Use

Applicant Name:Mr. Rob Oatey

Affiliation:City of Santa Cruz, Fire Department

Project Summary:

The Santa Cruz Fire department Marine Safety Division (SCFDMSD) is attempting to secure a 5 year special permit for the temporary placement of buoys within the Santa Cruz coastal area inside the Monterey Bay National Marine Sanctuary (MBNMS). In order to provide for safety during the busy summer season and ensure proper safety and boundary demarcation for special events, the SCFDMSD has determined that it is necessary to place buoys in the water.

Location Description - Proposed:

The proposed activity will occur between (LightHouse Point and the San Lorenzo River Mouth.

Latest Event:

03/18/2009Permit issued

MBNMS-2009-006

Effective Date:06/01/2009    Expiration Date:06/01/2014

Project Title:The RWQCB's National Pollutant Discharge Elimination System (NPDES) Permit No. CA0049417 and WDR No. R3-2009-0020, for the Ragged Point Inn, San Luis

Applicant Name:Mr. Roger Briggs

Affiliation:Central Coast Regional Water Quality Control Board

Project Summary:

This permit updates existing NPDES permits for the discharge of tertiary treated domestic wastewater to the Pacific Ocean and within the MBNMS.

Ragged Point Inn, LP (hereinafter, the Discharger) is the owner and operator of a wastewater treatment facility that treats domestic and commercial wastewaters generated by the guests and employees and the restaurant of the Inn. The wastewater treatment facility is located at 19019 Highway 1, Ragged Point, San Luis Obispo County.

The Discharger owns and operates a private wastewater treatment facility serving a resort that consists of a hotel, a restaurant, a gas station with public restrooms and a small retail shopping area, as well as employee housing. Wastewater flow varies depending on the number of guests at the hotel and customers of the restaurant, gas station and shops.

Location Description - Proposed:

The outfall discharges to the Pacific Ocean and the MBNMS.

Latest Event:

05/08/2009 Approval granted by other agency

MBNMS-2009-004

Effective Date:06/29/2009Expiration Date:07/31/2009

Project Title:Delivery and Burial of POC on Ocean Margins Dominated by Small, Mountainous Rivers: the Role of Effective Discharge.

Applicant Name:Dr. Miguel Goni

Affiliation:Oregon State University

Project Summary:

Sediment cores (box, multi, gravity, piston) will be collected in water depths ranging from 30-180 meters within the Monterey Bay area (north and south of Monterey Canyon, and near Soquel Canyon).

Location Description - Proposed:

North and south of Monterey Canyon, and near Soquel Canyon

Latest Event:

02/23/2009Permit signed copy received

MBNMS-2009-003

Effective Date:02/05/2009Expiration Date:02/05/2014

Project Title:Storm Water Management Plans for Santa Cruz County

Applicant Name:Mr. Roger Briggs

Affiliation:Regional Water Quality Control Board - RWQCB

Project Summary:

For the last ten years the County and Cities have been implementing many of the Storm Water Management Plan's (SWMP) Control Programs prior to having an approved NPDES permit issued by the Central Coast Regional Water Quality Control Board. Examples include; the

Industrial Waste Discharge program, illicit discharge detection, Municipal Operations programs and adoption/enforcement of multiple storm water ordinances. The Storm Water Management Plans reflect many of the ongoing efforts to reduce non-point source pollution in urban runoff as well as new requirements to fulfill the Phase II NPDES General Permit for Discharges of Storm Water from Small Municipal Separate Storm Sewer Systems.

Location Description - Proposed:

Storm water to be discharged offshore of the county of santa cruz.

Latest Event:

02/05/2009 Approval granted by other agency

MBNMS-2009-002

Effective Date:03/17/2009 Expiration Date:09/30/2011

Project Title: Collaboration between the Navy Postgraduate School & the Office of Naval Research to study cross-shore exchange between the surf zone and inner shelf.

Applicant Name: Dr. Jamie MacMahan

Affiliation: Naval Postgraduate School

Project Summary:

Objectives are to link the cross-shore exchange between the surf zone and inner shelf by measuring offshore waves and currents, and underlying bathymetry along Southern Monterey Bay at Sand City

This request is to enhance previous permit MBNMS-2002-020-A4 to Dr. Edward Thornton. This project includes a 6-8-week experiment during the months March- June 2008 at Sand City to study cross-shore exchange between the surf zone and inner shelf. This experiment is very similar in permit request to the experiments which occurred in 2001, 2007, but at a reduced effort. It would be a short term enhancement of activities under permit number MBNMS-2002-020-A2. The experiment would include installing scientific instruments at 6 locations outside of the surf zone. THERE WILL BE NO NEW CABLES for this experiment. The jet-ski and ATV surveys would be increased to 3 times a week during this period. Dye would be released as already permitted.

Location Description - Proposed:

Long term (~10 years) measurements of waves and currents measured by wave ADCPs, breaking wave patterns to infer bathymetry (from time-lapse video), in situ bathymetry measured with a GPS equipped jet-ski, and beach topography measured with a GPS equipped ATV. Video



cameras are located on a 4 m tower in Monterey, a 10 m tower at Sand City, a 5m tower at Fort Ord and a 3 m tower at Marina.

Latest Event:

03/17/2009 Permit issued

MBNMS-2009-001-A1

Effective Date: 03/13/2009 Expiration Date: 12/31/2013

Project Title: Superintendent's Permit

Applicant Name: Mr. Paul Michel

Affiliation: NOAA Monterey Bay National Marine Sanctuary

Project Summary:

The following activities are authorized by this permit:

Alteration of the seabed in the following manner: installation, maintenance, and recovery of temporary scientific and education-related equipment and structures, such as quadrats; Installation, maintenance, and recovery of mooring and boundary buoys; Small scale coring of the seabed to collect benthic samples; Small scale collection of sediments or non-commercial rocks, minerals, vegetation, or invertebrates; Small scale trawls to evaluate and monitor the status of living resources; Removal of ordnance, containers, conveyances, equipment, debris, or any other items that pose a threat to sanctuary resources or qualities, that alter natural habitat within the sanctuary, or that could otherwise cause a user conflict.

As well as other activities which will allow the superintendent and staff to better manage the MBNMS.

Location Description - Proposed:

Throughout the Monterey Bay National Marine Sanctuary.

Latest Event:

03/13/2009 Amendment issued

MBNMS-2008-028

Effective Date: TBD Expiration Date:

Project Title: Caltrans disposal response to Basin Fire, Big Sur

Applicant Name:Mr. Steve Price

Affiliation:Caltrans

Project Summary:

This project is part of the Basin Complex Fire Emergency Response Projects. In response to the Basin Complex Fire (during July & August 2008) in Big Sur, Monterey County, emergency projects are proposed at numerous locations along Highway 1 to protect the highway facility and traveling public from threats associated with debris flow and rock fall from areas denuded by the fire. Projects consist of installing temporary (until the watershed is recovered, approximately 5 years) debris flow barriers upstream from identified culvert inlets and construction of permanent rock fall drapery and temporary barriers at the toe of identified rocky cut slopes.

Caltrans is interested in placing the debris (generated from the combined influence of fire and wet weather) seaward of highway 1 in several locations along the Big Sur coast.

Location Description - Proposed:

Seaward of highway 1 in several locations along the Big Sur coast

Latest Event:

11/06/2008 Additional information requested

MBNMS-2008-027

Effective Date: TBD Expiration Date:

Project Title:Pacific Grove Bathhouse Remodel, addition, and ADA improvements to Lovers Point Park

Applicant Name:Ms. Sarah Hardgrave

Affiliation:City of Pacific Grove

Project Summary:

The proposed project includes a remodel and addition to the Old Bathhouse restaurant building and construction of ADA improvements to the building and adjoining path and walkways. The project includes renovation of the existing building to allow expansion. The existing public restrooms will be removed and relocated. The project also includes replacement of fencing, modifications to the volleyball court, and interpretive signage.

Location Description - Proposed:

The project site encompasses a portion of Lovers Point Park located in the City of Pacific Grove, adjacent to the south shore of the Monterey Bay

Latest Event:  
10/20/2008 Additional information received

MBNMS-2008-025

Effective Date:03/01/2009 Expiration Date:10/01/2009

Project Title:Seawater Desalination Program Offshore Geophysical Survey for the City of Santa Cruz

Applicant Name:Ms. Heidi R. Luckenbach

Affiliation:City of Santa Cruz

Project Summary:

The issues to be investigated are 1) whether favorable geology exists in the potential San Lorenzo alluvial channel to construct subsurface wells as an intake to a seawater desalination facility; and, 2) whether the condition of the abandoned outfall is sufficient for its conversion and use as a screened open water intake.

This project would consist of two investigations, a survey of an assumed offshore alluvial basin (a submerged and now filled and buried former river channel) using both seismic reflection profiling and soil sampling, and a survey of an abandoned outfall location and characterization survey.

The project is designed to:

1) help provide the information necessary to select the preferred intake location for the future, full-scale, desalination plant to service the City of Santa Cruz and the Soquel Creek Water District and 2) meet the requirements of the \$611,000 Integrated Regional Water Management Grant funding from the State Water Resources Control Board.

Location Description - Proposed:

Offshore of Santa Cruz

Latest Event:  
03/17/2009 Additional information received

MBNMS-2008-023

Effective Date:02/01/2009 Expiration Date:05/31/2009

Project Title:Collaborative Research: The Internal Tide and Mixing in Monterey and Ascension Canyons

Applicant Name:Dr. Michael Gregg

Affiliation:Applied Physics Laboratory, University of Washington

Project Summary:

This project has evolved over the past few months due to the acoustic elements associated with the moorings that are thought to potentially have a negative impact on marine mammals. Based on recommendations from NMFS the applicant has revised their project description and removed from consideration equipment that made use of low-frequency (75 kHz) Acoustic Doppler Current Profilers (ADCP) on four oceanographic research moorings. The remaining four moorings will use 300 kHz ADCPs, which are well above the hearing frequency range of marine mammals.

Location Description - Proposed:

Monterey and Ascension Canyons

Latest Event:

02/06/2009Permit issued

MBNMS-2006-008

Effective Date:Expiration Date:

Project Title:Sink a Wreck Project

Applicant Name:Dr. Harry Wong

Affiliation:Chiropractor

Project Summary:

The proponents of this project are evaluating 5-10 sites for the sinking of a decommissioned US Navy ship (approximately 300+ feet in length) within the MBNMS. Their ideal location would allow for a 5-10 minute boat ride, and would be within recreational diving depth.

additional information required....

Location Description - Proposed:

tbd

Latest Event:

02/23/2006Additional information requested

MBNMS-2006-005

Effective Date:Expiration Date:

Project Title:Duke Energy Moss Landing Power Plant NPDES Permit

additional information needed

Applicant Name: RWQCB

Affiliation:Regional Water Quality Control Board

Project Summary:

Ocean discharge from the power plant. Th Moss Landing Power Plant NPDES permit has been on Administrative Extension since October 2005. Water Board staff plans to propose a renewed NPDES for the facility in 2007, after the federal court issues its decision regarding litigation over Clean Water Act Section 316(b) regulations.

Also the existing permit for the MLPP is still in litigation due to a lawsuit by Voices of the Wetlands.

A renewed MLPP permit will not be enacted until the courts resolve these issues.

Location Description - Proposed:

Moss Landing Power Plant  
Ocean Outfall

Latest Event:

09/15/2006Additional information requested